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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

61155128

AUTOMATIC CARGO STOWAGE SYSTEM WITH CARGO-FORM CLASSIFIED
STORAGE UNIT GROUP

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Abstract

PURPOSE: To improve cargo loading efficiency for a transport jig, by installing a stowage planning device which makes out a series of stowage arrangement and sequence for cargoes on the transport jig, allotment of types of a stowage unit and operating sequence of each stowage unit according to form, size and material in plural cargoes.

CONSTITUTION: Various forms of plural cargoes to be transported are inputted into a stowage planning device 2A, and a series of stowage arrangement and sequence of cargoes on a transport jig 2Z, allotment of types of a stowage unit and operating sequence of each stowage unit are made out. Data out of this stowage planning device 2A are inputted into a control unit 2B, and according to the stowage sequence out of the control unit 2B, cargoes received with a marshalling device 2C are delivered. These delivered cargoes are fed to each spot of stowage units 2E1-2E3 allotted by the stowage planning device by a feeder 2D. On the other hand, a transport jig 2Z is moved to each spot of these stowage units 2E1-2E3 by a transport jig conveying device 2F, while multifarious cargoes supplied are stowed onto the transport jig 2Z by these cargo-form classified stowage unit groups 2E1-2E3 in conformity with the operating sequence.

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